



American Recovery and Reinvestment Act at Work

RECOVER

Tom Fletcher

Federal Project Director, ARRA
DOE Office of River Protection

Isabelle Wheeler

Deputy Federal Project Director, ARRA
DOE Office of River Protection

November 18, 2010





RA Performance Summary

Contract Milestones (10/31/10)

• 36/73 (49%) of contract milestones have been completed to date, all of which were completed on or ahead of schedule. No contractual milestones are in a delinquent state.

Recovery Act (RA) spending (10/31/10)

- Total funding: \$326 million
- Through Oct 10 spending: \$175 million
- Estimated Nov 10 Sep 11 spending: \$151 million

RA jobs (9/30/10; reported quarterly)

• 580 full-time equivalents

Safety (10/31/10)

• Zero Lost Time; Recordable; or Days Away, Restricted, or Transferred cases on RA work in 579 days (876,684 hours)

RA work is to be complete by 09/30/11.





Completed Milestones through FY10

Following are the 36 contract milestones completed through FY10.

RA-1 Tank Farm Infrastructure Upgrades – 13 milestones complete

- Ventilation System Reliability Study
- Removal of SY-271 Auxiliary Building
- Removal of SY-271 Standby Diesel Generator
- Removal of 242-A Evaporator HEPA Filters
- Removal of P-28 Exhauster
- National Electrical Code Resolution and Electrical Modifications
- Replace 10 Drain Seals in DST Valve/Pump Boxes
- Valve Funnel Replacement Statement of Work
- Decontamination Trailer Procurement
- Fabricate and Install AN-107 Corrosion Probe
- AP Farm Level Rise Construction Modifications
- Issue Double-Shell Tank Integrity Program Report
- Remove Obsolete SST Equipment

RA-2 Other Infrastructure Upgrades – 1 milestone complete

 Wiped Film Evaporator Small-Scale Demonstration











Completed Milestones through FY10 – Continued

• RA-3 Facilities Upgrades – 15 milestones complete

- Compressors in 242-A Evaporator
- Decontaminate Condenser Room in 242-A Evaporator
- Raw Water Service Building Upgrade in 242-A Evaporator
- Process Condensate Leak Detection Upgrades in 242-A Evaporator
- 222-S Laboratory Statements of Work for Priority Instruments
- 222-S Laboratory Upgrade Stairway Access
- 222-S Laboratory Increase HLAN Speed
- 222-S Laboratory Access to Fan Deck Upgrade
- 222-S Laboratory Demolish Mobile Office 924
- 222-S-Laboratory Back-Up Compressed Air System
- 222-S Laboratory Replace Health Physics Technician Support Facilities
- 222-S Laboratory Conditioned Storage Addition
- 222-S Laboratory Roof Replacement
- 222-S Laboratory Update Private Automatic Exchange System
- 222-S Laboratory Lighting Upgrades









Completed Milestones through FY10 – Continued

RA-4 Waste Feed Infrastructure Upgrades – 5 milestones complete

- Prepare Statement of Work for Exhauster Decommissioning and Demolition
- Complete Mixer Pump Procurement Specification
- Complete Small-Scale Mixing Demonstration and Submit Draft Report
- Complete Test Loop Demonstration and Submit Draft Report to DOE-ORP
- AW Farm Cleanout Box Isolation and Removal
- RA-5 Waste Feed Transfer Lines Upgrades –
 2 milestones complete
 - Complete 90% Design for Transfer Lines Upgrades SL-177/SN-277 and SL-180/SN-280
 - Complete 90% Design for Transfer Lines Upgrades SL-177/SN-277 and SL-180/SN-280









FY11 Remaining Contract Milestones

The 63 projects remaining roll up into 37 contract milestones (51% of total). The following are contractual milestones that remain to be completed in FY11.

- RA-1 Tank Farm Infrastructure Upgrades –
 9 remaining milestones
 - ENRAF® Upgrades
 - Replace Radial Filters
 - Complete SST Electrical System Upgrades
 - AP/SY Farms' Ventilation Design and Fabrication
 - SY Farm Electrical Upgrades
 - Valve Funnel Replacement
 - AP Farm Valve Pit Jumpers
 - Obsolete Tank Farm Equipment Removal
 - Cathodic Protection Modifications/Adjustments
- RA-2 Other Infrastructure Upgrades 2 remaining milestones
 - Wiped Film Evaporator Full-Scale Demonstration
 - Core Sampling System







FY11 Remaining Contract Milestones – Continued

• RA-3 Facilities Upgrades – 14 remaining milestones

- Replace Instruments in 242-A Evaporator
- Asbestos Abatement in 242-A Evaporator
- Refurbish Pump PB-1 in 242-A Evaporator
- Electrical Panel Replacement/Repair in 242-A Evaporator
- Install Exhaust Skid in 242-A Evaporator
- 222-S Laboratory Instrument Upgrades
- 222-S Laboratory As-Built Electrical Drawings
- 222-S Laboratory Replace Mobile Office
- 222-S Laboratory Replace HVAC Control System
- 222-S Laboratory Renovate Rooms
- 222-S Laboratory Upgrade HVAC System to Electric Heat
- 222-S Laboratory Room HVAC Upgrades
- Test Glass Formulations for Technetium Retention
- Short-Term Leaching Tests of Grout Formulations to Solidify Effluent Treatment Facility Waste Streams









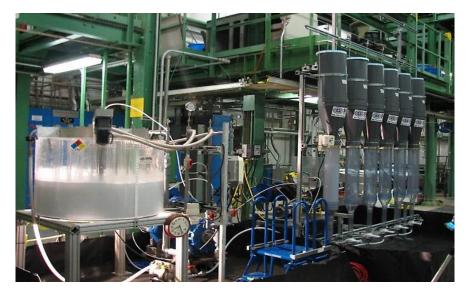
FY11 Remaining Contract Milestones – Continued

RA-4 Waste Feed Infrastructure Upgrades – 10 remaining milestones

- SY-102 Decommissioning and Demolition (SHMS/GCS Removal)
- AZ Farm Condensate Line Upgrade
- Mixer Pump Design
- AW Farm Decommissioning and Demolition (SHMS-GCS Removal)
- Complete Small-Scale Sampling Demonstration and Submit Draft Report
- AZ Farm Control System Upgrade
- Exhauster Decommissioning and Demolition (AW/AN Farms)
- DST Control Systems Update
- Strategic Planning Process Control Flow Sheet Complete for First Three WTP Feed Tanks
- Waste Feed Delivery (WFD) Pre-Design/Design Activities for WFD

RA-5 Waste Feed Transfer Lines Upgrades – 2 remaining milestones

- Transfer Lines Upgrades SN-177/SN-277 and SL-180/SN-280
- Transfer Lines Upgrades SN-278/SN-279 and SN-285/SN-286









RA Efficiencies





Efficiencies created by:

- Startup and testing activities being performed below the original estimates
- Material costs less than planned
- Engineering and staffing resources obtained at a rate lower than the original estimate
- Use of experienced field support resulted in shorter project durations than planned
- Use of one work crew to perform similar work in all farms
- Competing contracts resulted in lower project costs





RA Buy-Back Projects

Efficiencies are utilized for Buy-Back projects

RA Buy-Back scope that is currently being worked includes:

- 10,000 ft² Storage Facility
- 272-AW Refurbishment
- AY/AZ Farm Infrastructure Engineering
- DOT 7A Type A container for long-length contaminated equipment
- Ultrasonic testing of select DSTs

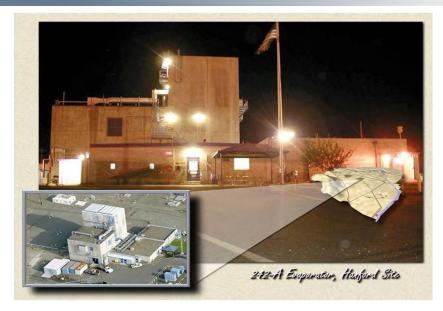








Potential Buy-Back Projects



- 222-S Laboratory Analytical Equipment and Infrastructure
- 242-A Evaporator Upgrades
- DST Chemistry Control Design
- Tank Farm Equipment Upgrades and Management
- Construction Shops and Equipment



